Abstract

CBR has been successfully applied to the areas of planning, diagnosis, law and decision making among others. It uses useful prior cases to solve the new problems. CBR must accurately retrieve similar prior cases for getting a good performance. Throughout this thesis The Novel Case Base Indexing Model based on Power Set Tree has been introduced. A custom solution designed and built to find the unique combinations for each case in a Case Base. Then use these unique combinations to build the Case Base Index. Finally, a better algorithm has been built to balance the resources consumptions and harness them to serve the purpose of finding the unique combinations for large cases that has more than 38 finding.

References

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Index Terms

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Keywords

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